	AXi Family		
	AX1200i	AX860i	AX760i
Top-Level Specs			
Continuous power (W)	1200W	860W	760W
Peak power (W)*	1320W	946W	836W
ATX12V Version	2.31	2.31	2.31
EPS12V Version	2.92	2.92	2.92
Modular cable management	Fully modular	Fully modular	Fully modular
Special technology	DSP	DSP	DSP
C-Link Digital	Yes	Yes	Yes
C-Link Ready	N/A	N/A	N/A
MTBF (hours)	100,000	100,000	100,000
Operating temperature range (°C)	0° to 50° C	0° to 50° C	0° to 50° C
Continuous output rated temperature (°C)	50°C	50°C	50°C
Warranty (Years)	7	7	7
AC Input specs			
Input Voltage (VAC)	100 - 240V	100 - 240V	100 - 240V
Input Frequency (Hz)	50 - 60Hz	50 - 60Hz	50 - 60Hz
Input current (A)	7.5A - 15A	6A - 12A	5A - 10A
PFC	Yes	Yes	Yes
Power factor at 100% load	0.99	0.99	0.99
Hold-up time (ms)	22.0	24.0	24.0
DC Output specs			
Ability to toggle single/multiple +12V rails	Yes	Yes	Yes
+12V (A)	100.4A	71.6A	63.3A
+12V (W)	1204.8W	859.2W	759.6W
+3.3V (A)	30A	25A	25A
+5V (A)	30A	25A	25A
Max. combined power 3.3V + 5V (W)	180W	125W	125W
+5Vsb (A)	3.5A	3A	3A
-12V (A)	0.8A	0.8A	0.8A
Cooling Solution			
Fanless mode	Yes	Yes	Yes
Load for fan to turn on (%)	30%	30%	30%
Fan bearing technology	DBB	DBB	DBB
Fan size (mm)	140mm	140mm	140mm
Fanless mode	Yes	Yes	Yes
Max. fan speed (rpm)	1,030	1,360	1,035
dB(A) at 20% load	0.0	0.0	0.0
dB(A) at 50% load	13.6	8.9	12.2
dB(A) at 100% load	22.9	28.8	23.5
Efficiency			
80 PLUS certification level	Platinum	Platinum	Platinum
Efficiency (%) at 115V, 10% load**	88.00%	85.21%	84.99%
Efficiency (%) at 115V, 20% load**	91.00%	90.43%	90.03%
Efficiency (%) at 115V, 50% load**	92.25%	92.33%	92.22%
Efficiency (%) at 115V,100% load**	89.35%	90.04%	90.17%
Efficiency (%) at 230V, 10% load***	87.45%	87.40%	85.96%
Efficiency (%) at 230V, 20% load***	92.04%	92.12%	91.08%
Efficiency (%) at 230V, 50% load***	93.50%	93.71%	93.57%
Efficiency (%) at 230V,100% load***	92.36%	92.05%	92.35%
Power consumption in standby (W)	0.41	0.43	0.43
ErP Lot 6	2013	2013	2013
WEEE	Yes	Yes	Yes
RoHS	Yes	Yes	Yes

	AXi Family		
	AX1200i	AX860i	AX760i
Protections & safety certifications			
OCP (over current protection)	Yes	Yes	Yes
OVP (over voltage protection)	Yes	Yes	Yes
UVP (under voltage protection)	Yes	Yes	Yes
SCP (short circuit protection)	Yes	Yes	Yes
OTP (over temperature protection)	Yes	Yes	Yes
OPP (over power protection)	Yes	Yes	Yes
CE	Yes	Yes	Yes
CB	Yes	Yes	Yes
TÜV	Yes	Yes	Yes
FCC	Yes	Yes	Yes
cUL	Yes	Yes	Yes
cTÜVs	Yes	Yes	Yes
CCC (China)	Yes	Yes	Yes
BSMI (Taiwan)	Yes	Yes	Yes
GOST-R (Russia)	Yes	Yes	Yes
KC Mark (Korea)	Yes	Yes	Yes
IRAM (Argentina)	Yes	Yes	Yes
RCM (C-Tick, A-Tick, RCM) (Aus/NZ)	Yes	Yes	Yes
DC Output cables			
Modular cable management	Fully modular	Fully modular	Fully modular
Sleeved cables	Yes	Yes	Yes
Flat cables	Yes	Yes	Yes
No. of cables	19 (including C-Link cable)	15 (including C-Link cable)	15 (including C-Link cable)
Motherboard cable (20+4 pin)	1	1	1
Motherboard cable length (mm, +/- 10mm)	610mm	610mm	610mm
4+4-pin (CPU, works as either 4 or 8-pin)	2	1	1
CPU power cable length (mm, +/- 10mm)	650mm	650mm	650mm
PCIe 6+2 pin (GPU)	8	8	6
PCIe power cable length (mm, +/- 10mm)	600mm	600mm	600mm
4-pin Peripheral power connector ("Molex", HDD)	12	8	8
SATA 5-pin	16	12	12
Floppy power	2	2	2
Multi-GPU ready	Yes	Yes	Yes
Misc			
Dimensions without cable (L x W x D), (mm)	200mm x 150mm x 86mm	160mm x 150mm x 86mm	160mm x 150mm x 86mm
Color	Black	Black	Black
Material	Steel	Steel	Steel
Logistical data			
Dimensions, package (L x W x D), (mm)	390 x 153 x 224	337 x 135 x 213	337 x 135 x 213
Gross weight, package (kg)	4.6	3.8	3.8
Pieces per packaging unit	2	2	2
Dimensions, shipping box (L x W x D), (mm)	465 x 410 x 170	440 x 346 x 154	440 x 346 x 154
Gross weight, shipping box (kg)	9.9	8.3	8.3

	AX Family				
	AX1200	AX860	AX850	AX760	AX750
Top-Level Specs					
Continuous power (W)	1200W	860W	850W	760W	750W
Peak power (W)*	1320W	946W	935W	836W	825W
ATX12V Version	2.31	2.31	2.31	2.31	2.31
EPS12V Version	2.92	2.92	2.92	2.92	2.92
Modular cable management	Fully modular	Fully modular	Fully modular	Fully modular	Fully modular
Special technology	N/A	N/A	N/A	N/A	N/A
C-Link Digital	No	No	No	No	No
C-Link Ready	No	No	No	No	No
MTBF (hours)	100,000	100,000	100,000	100,000	100,000
Operating temperature range (°C)	0° to 50° C	0° to 50° C	0° to 50° C	0° to 50° C	0° to 50° C
Continuous output rated temperature (°C)	50°C	50°C	50°C	50°C	50°C
Warranty (Years)	7	7	7	7	7
AC Input specs					
Input Voltage (VAC)	100 - 240V	100 - 240V	90 - 264V	100 - 240V	90 - 264V
Input Frequency (Hz)	50 - 60Hz	50 - 60Hz	50 - 60Hz	50 - 60Hz	50 - 60Hz
Input current (A)	7.5A - 15A	5.5A - 11A	5A - 10A	4.5A - 9.5A	4.5A - 9A
PFC	Yes	Yes	Yes	Yes	Yes
Power factor at 100% load	0.99	0.99	0.99	0.99	0.99
Hold-up time (ms)	19.0	17.4	18.0	16.3	18.0
DC Output specs					
Ability to toggle single/multiple +12V rails	No	No	No	No	No
+12V (A)	100.4A	71A	70A	63A	62A
+12V (W)	1204.8W	852W	840W	756W	744W
+3.3V (A)	30A	25A	25A	25A	25A
+5V (A)	30A	25A	25A	25A	25A
Max. combined power 3.3V + 5V (W)	180W	125W	125W	125W	125W
+5Vsb (A)	3.5A	3A	3A	3A	3A
-12V (A)	0.8A	0.5A	0.5A	0.5A	0.5A
Cooling Solution					
Fanless mode	No	Yes	Yes	Yes	Yes
Load for fan to turn on (%)	N/A	60%	20%	60%	20%
Fan bearing technology	DBB	DBB	DBB	DBB	DBB
Fan size (mm)	140mm	120mm	120mm	120mm	120mm
Fanless mode	No	Yes	No	Yes	No
Max. fan speed (rpm)	1,405	2,150	1,944	1,650	1,788
dB(A) at 20% load	21.0	0.0	0.0	0.0	0.0
dB(A) at 50% load	23.0	0.0	18.9	0.0	11.5
dB(A) at 100% load	31.6	29.0	33.9	24.0	37.4
Efficiency					
80 PLUS certification level	Gold	Platinum	Gold	Platinum	Gold
Efficiency (%) at 115V, 10% load**		88.98%		88.47%	
Efficiency (%) at 115V, 20% load**	88.46%	91.73%	88.93%	91.53%	88.41%
Efficiency (%) at 115V, 50% load**	90.48%	92.33%	91.02%	92.39%	90.80%
Efficiency (%) at 115V,100% load**	87.62%	89.87%	87.82%	90.00%	88.11%
Efficiency (%) at 230V, 10% load***		89.95%		88.93%	
Efficiency (%) at 230V, 20% load***	89.44%	91.63%	88.86%	92.33%	89.29%
Efficiency (%) at 230V, 50% load***	92.10%	92.10%	91.75%	93.40%	92.05%
Efficiency (%) at 230V,100% load***	90.32%	89.44%	89.56%	91.82%	90.31%
Power consumption in standby (W)	0.58	0.441	0.848	0.442	0.863
ErP Lot 6	2010	2013	2010	2013	2010
WEEE	Yes	Yes	Yes	Yes	Yes
RoHS	Yes	Yes	Yes	Yes	Yes

	AX Family				
	AX1200	AX860	AX850	AX760	AX750
Protections & safety certifications					
OCP (over current protection)	Yes	Yes	Yes	Yes	Yes
OVP (over voltage protection)	Yes	Yes	Yes	Yes	Yes
UVP (under voltage protection)	Yes	Yes	Yes	Yes	Yes
SCP (short circuit protection)	Yes	Yes	Yes	Yes	Yes
OTP (over temperature protection)	Yes	Yes	Yes	Yes	Yes
OPP (over power protection)	Yes	Yes	Yes	Yes	Yes
CE	Yes	Yes	Yes	Yes	Yes
CB	Yes	Yes	Yes	Yes	Yes
TÜV	Yes	Yes	Yes	Yes	Yes
FCC	Yes	Yes	Yes	Yes	Yes
cUL	Yes	Yes	Yes	Yes	Yes
cTÜVs	Yes	Yes	Yes	Yes	Yes
CCC (China)	Yes	Yes	Yes	Yes	Yes
BSMI (Taiwan)	Yes	Yes	Yes	Yes	Yes
GOST-R (Russia)	Yes	Yes	Yes	Yes	Yes
KC Mark (Korea)	Yes	Yes	No	Yes	Yes
IRAM (Argentina)	Yes	Yes	No	Yes	Yes
RCM (C-Tick, A-Tick, RCM) (Aus/NZ)	Yes	Yes	Yes	Yes	Yes
DC Output cables					
Modular cable management	Fully modular	Fully modular	Fully modular	Fully modular	Fully modular
Sleeved cables	Yes	Yes	Yes	Yes	Yes
Flat cables	Yes	Yes	Yes	Yes	Yes
No. of cables	19.	14.	15.	14.	15.
Motherboard cable (20+4 pin)	1	1	1	1	1
Motherboard cable length (mm, +/- 10mm)	610mm	610mm	610mm	610mm	610mm
4+4-pin (CPU, works as either 4 or 8-pin)	2	1	1	1	1
CPU power cable length (mm, +/- 10mm)	610mm	650mm	650mm	650mm	650mm
PCIe 6+2 pin (GPU)	6	6	4	4	4
PCIe power cable length (mm, +/- 10mm)	600mm	600mm	600mm	600mm	600mm
4-pin Peripheral power connector ("Molex", HDD)	12	8	8	8	8
SATA 5-pin	16	12	12	12	12
Floppy power	2	2	2	2	2
Multi-GPU ready	Yes	Yes	Yes	Yes	Yes
Misc					
Dimensions without cable (L x W x D), (mm)	200mm x 150mm x	160mm x 150mm x	160mm x 150mm x	160mm x 150mm x	160mm x 150mm x
Color	Black	Black	Black	Black	Black
Material	Steel	Steel	Steel	Steel	Steel
Logistical data					
Dimensions, package (L x W x D), (mm)	390 x 153 x 224	293 x 135 x 213	390 x 153 x 224	293 x 135 x 213	390 x 153 x 224
Gross weight, package (kg)	4.5	2.7	1.8	1.8	1.8
Pieces per packaging unit	2	6	2	6	2
Dimensions, shipping box (L x W x D), (mm)	465 x 410 x 170	425 x 310 x 445	465 x 410 x 170	425 x 310 x 445	465 x 410 x 170
Gross weight, shipping box (kg)	9.7	16.9	4.3	11.5	4.3

	HX Family			
	HX1050	HX850	HX750	HX650
Top-Level Specs				
Continuous power (W)	1050W	850W	750W	650W
Peak power (W)*	1155W	935W	825W	715W
ATX12V Version	2.31	2.31	2.31	2.31
EPS12V Version	2.92	2.92	2.92	2.92
Modular cable management	Semi modular	Semi modular	Semi modular	Semi modular
Special technology	N/A	N/A	N/A	N/A
C-Link Digital	No	No	No	No
C-Link Ready	No	No	No	No
MTBF (hours)	100,000	100,000	100,000	100,000
Operating temperature range (°C)	0° to 50° C	0° to 50° C	0° to 50° C	0° to 50° C
Continuous output rated temperature (°C)	50°C	50°C	50°C	50°C
Warranty (Years)	7	7	7	7
AC Input specs				
Input Voltage (VAC)	100 - 240V	100 - 240V	100 -240V	100 - 240V
Input Frequency (Hz)	47 - 63 Hz	47 - 63 Hz	47 - 63 Hz	50 - 60 Hz
Input current (A)	6.5A - 13A	6A - 12A	5A - 10A	4.5A - 9A
PFC	Yes	Yes	Yes	Yes
Power factor at 100% load	0.99	0.99	0.99	0.99
Hold-up time (ms)	18.5	21.0	20.0	16.2
DC Output specs				
Ability to toggle single/multiple +12V rails	No	No	No	No
+12V (A)	87.5A	70A	62A	54A
+12V (W)	1050W	840W	744W	648W
+3.3V (A)	25A	25A	25A	20A
+5V (A)	25A	25A	25A	20A
Max. combined power 3.3V + 5V (W)	150W	150W	150W	100W
+5Vsb (A)	3A	3A	3A	2.5A
-12V (A)	0.8A	0.8A	0.8A	0.3A
Cooling Solution				
Fanless mode	Yes	Yes	Yes	Yes
Load for fan to turn on (%)	20%	20%	20%	20%
Fan bearing technology	DBB	DBB	DBB	DBB
Fan size (mm)	140mm	140mm	140mm	140mm
Fanless mode	Yes	Yes	Yes	Yes
Max. fan speed (rpm)	1,860	1,310	1,250	2,195
dB(A) at 20% load	0.0	0.0	0.0	0.0
dB(A) at 50% load	20.2	16.1	16.1	21.6
dB(A) at 100% load	40.1	32.0	30.8	46.9
Efficiency				
80 PLUS certification level	Gold	Gold	Gold	Gold
Efficiency (%) at 115V, 10% load**	85.73%	82.23%	81.79%	84.32%
Efficiency (%) at 115V, 20% load**	89.72%	88.49%	87.60%	88.41%
Efficiency (%) at 115V, 50% load**	90.76%	90.53%	90.24%	90.43%
Efficiency (%) at 115V,100% load**	87.33%	87.73%	87.69%	87.94%
Efficiency (%) at 230V, 10% load***	84.81%	82.40%	82.60%	84.75%
Efficiency (%) at 230V, 20% load***	89.55%	88.86%	88.27%	89.94%
Efficiency (%) at 230V, 50% load***	91.46%	91.04%	91.00%	92.12%
Efficiency (%) at 230V,100% load***	89.58%	89.59%	89.14%	89.69%
Power consumption in standby (W)	0.41	0.41	0.41	0.43
ErP Lot 6	2013	2013	2013	2013
WEEE	Yes	Yes	Yes	Yes
RoHS	Yes	Yes	Yes	Yes

	HX Family			
	HX1050	HX850	HX750	HX650
Protections & safety certifications				
OCP (over current protection)	Yes	Yes	Yes	Yes
OVP (over voltage protection)	Yes	Yes	Yes	Yes
UVP (under voltage protection)	Yes	Yes	Yes	Yes
SCP (short circuit protection)	Yes	Yes	Yes	Yes
OTP (over temperature protection)	Yes	Yes	Yes	Yes
OPP (over power protection)	Yes	Yes	Yes	Yes
CE	Yes	Yes	Yes	Yes
CB	Yes	Yes	Yes	Yes
TÜV	Yes	Yes	Yes	Yes
FCC	Yes	Yes	Yes	Yes
cUL	Yes	Yes	Yes	Yes
cTÜVs	No	No	No	No
CCC (China)	Yes	Yes	Yes	Yes
BSMI (Taiwan)	Yes	Yes	Yes	Yes
GOST-R (Russia)	Yes	Yes	Yes	Yes
KC Mark (Korea)	Yes	Yes	Yes	Yes
IRAM (Argentina)	Yes	Yes	Yes	Yes
RCM (C-Tick, A-Tick, RCM) (Aus/NZ)	Yes	Yes	Yes	Yes
DC Output cables				
Modular cable management	Semi modular	Semi modular	Semi modular	Semi modular
Sleeved cables	Yes	Yes	Yes	Yes
Flat cables	Yes	Yes	Yes	Yes
No. of cables	17.	16.	13.	10.
Motherboard cable (20+4 pin)	1	1	1	1
Motherboard cable length (mm, +/- 10mm)	610mm	610mm	610mm	610mm
4+4-pin (CPU, works as either 4 or 8-pin)	2	1	1	1
CPU power cable length (mm, +/- 10mm)	650mm	650mm	650mm	650mm
PCIe 6+2 pin (GPU)	6	6	4	2
PCIe power cable length (mm, +/- 10mm)	600mm	600mm	600mm	600mm
4-pin Peripheral power connector ("Molex", HDD)	12	12	8	8
SATA 5-pin	12	12	12	8
Floppy power	2	2	2	2
Multi-GPU ready	Yes	Yes	Yes	Yes
Misc				
Dimensions without cable (L x W x D), (mm)	180mm x 150mm x 86mm	180mm x 150mm x 86mm	180mm x 150mm x 86mm	150mm x 150mm x 86mm
Color	Black	Black	Black	Black
Material	Steel	Steel	Steel	Steel
Logistical data				
Dimensions, package (L x W x D), (mm)	390 x 153 x 224	390 x 153 x 224	390 x 153 x 224	293 x 135 x 213
Gross weight, package (kg)	2.7	2.5	2.4	2.4
Pieces per packaging unit	2	2	2	6
Dimensions, shipping box (L x W x D), (mm)	465 x 410 x 170	465 x 410 x 170	465 x 410 x 170	425 x 310 x 445
Gross weight, shipping box (kg)	6.1	5.7	5.5	15.1

	TX-M Family		
	TX850M	TX750M	TX650M
Top-Level Specs			
Continuous power (W)	850W	750W	650W
Peak power (W)*	935W	825W	715W
ATX12V Version	2.31	2.31	2.31
EPS12V Version	2.92	2.92	2.92
Modular cable management	Semi modular	Semi modular	Semi modular
Special technology	N/A	N/A	N/A
C-Link Digital	No	No	No
C-Link Ready	No	No	No
MTBF (hours)	100,000	100,000	100,000
Operating temperature range (°C)	0° to 50° C	0° to 50° C	0° to 50° C
Continuous output rated temperature (°C)	50°C	50°C	50°C
Warranty (Years)	5	5	5
AC Input specs			
Input Voltage (VAC)	100 - 240V	100 - 240V	90 - 264V
Input Frequency (Hz)	50 - 60 Hz	50 - 60 Hz	47 - 63 Hz
Input current (A)	6A -12A	6A - 12A	5A - 10A
PFC	Yes	Yes	Yes
Power factor at 100% load	0.99	0.99	0.99
Hold-up time (ms)		19.2	15.3
DC Output specs			
Ability to toggle single/multiple +12V rails	No	No	No
+12V (A)	70A	62A	54A
+12V (W)	840W	744W	648W
+3.3V (A)	30A	30A	30A
+5V (A)	30A	30A	30A
Max. combined power 3.3V + 5V (W)	150W	150W	150W
+5Vsb (A)	3A	3A	3A
-12V (A)	0.8A	0.8A	0.8A
Cooling Solution			
Fanless mode	Yes	Yes	Yes
Load for fan to turn on (%)	30%	30%	30%
Fan bearing technology	DBB	DBB	DBB
Fan size (mm)	140mm	140mm	140mm
Fanless mode	Yes	Yes	Yes
Max. fan speed (rpm)	2,202	1,212	1,546
dB(A) at 20% load	0.0	0.0	0.0
dB(A) at 50% load	25.9	21.9	15.8
dB(A) at 100% load	39.2	30.4	33.1
Efficiency			
80 PLUS certification level	Bronze	Bronze	Bronze
Efficiency (%) at 115V, 10% load**	80.26%	78.63%	78.14%
Efficiency (%) at 115V, 20% load**	85.59%	84.58%	84.47%
Efficiency (%) at 115V, 50% load**	87.76%	87.64%	86.36%
Efficiency (%) at 115V,100% load**	84.12%	84.59%	82.11%
Efficiency (%) at 230V, 10% load***	81.58%	80.67%	78.67%
Efficiency (%) at 230V, 20% load***	87.25%	87.48%	85.85%
Efficiency (%) at 230V, 50% load***	89.72%	89.57%	87.71%
Efficiency (%) at 230V,100% load***	86.53%	87.35%	85.42%
Power consumption in standby (W)		0.40	0.41
ErP Lot 6	2013	2013	2013
WEEE	Yes	Yes	Yes
RoHS	Yes	Yes	Yes

	TX-M Family		
	TX850M	TX750M	TX650M
Protections & safety certifications			
OCP (over current protection)	Yes	Yes	Yes
OVP (over voltage protection)	Yes	Yes	Yes
UVP (under voltage protection)	Yes	Yes	Yes
SCP (short circuit protection)	Yes	Yes	Yes
OTP (over temperature protection)	Yes	Yes	Yes
OPP (over power protection)	Yes	Yes	Yes
CE	Yes	Yes	Yes
CB	Yes	Yes	Yes
TÜV	Yes	Yes	Yes
FCC	Yes	Yes	Yes
cUL	Yes	Yes	Yes
cTÜVs	No	No	No
CCC (China)	Yes	Yes	Yes
BSMI (Taiwan)	Yes	Yes	Yes
GOST-R (Russia)	Yes	Yes	Yes
KC Mark (Korea)	Yes	Yes	Yes
IRAM (Argentina)	Yes	Yes	Yes
RCM (C-Tick, A-Tick, RCM) (Aus/NZ)	Yes	Yes	Yes
DC Output cables			
Modular cable management	Semi modular	Semi modular	Semi modular
Sleeved cables	Yes	Yes	Yes
Flat cables	Yes	Yes	Yes
No. of cables	12.	12.	10.
Motherboard cable (20+4 pin)	1	1	1
Motherboard cable length (mm, +/- 10mm)	600mm	600mm	600mm
4+4-pin (CPU, works as either 4 or 8-pin)	2	2	1
CPU power cable length (mm, +/- 10mm)	650mm	650mm	650mm
PCIe 6+2 pin (GPU)	4	4	2
PCIe power cable length (mm, +/- 10mm)	600mm	600mm	600mm
4-pin Peripheral power connector ("Molex", HDD)	8	8	8
SATA 5-pin	8	8	8
Floppy power	2	2	2
Multi-GPU ready	Yes	Yes	Yes
Misc			
Dimensions without cable (L x W x D), (mm)	160mm x 150mm x 86mm	160mm x 150mm x 86mm	160mm x 150mm x 86mm
Color	Black	Black	Black
Material	Steel	Steel	Steel
Logistical data			
Dimensions, package (L x W x D), (mm)	293 x 135 x 213	293 x 135 x 213	293 x 135 x 213
Gross weight, package (kg)	2.4	2.3	2.2
Pieces per packaging unit	6	6	6
Dimensions, shipping box (L x W x D), (mm)	425 x 310 x 445	425 x 310 x 445	425 x 310 x 445
Gross weight, shipping box (kg)	15.1	14.5	13.9

	TX Family		
	TX850	TX750	TX650
Top-Level Specs			
Continuous power (W)	850W	750W	650W
Peak power (W)*	935W	825W	715W
ATX12V Version	2.31	2.31	2.31
EPS12V Version	2.92	2.92	2.92
Modular cable management	None (fixed cables)	None (fixed cables)	None (fixed cables)
Special technology	N/A	N/A	N/A
C-Link Digital	No	No	No
C-Link Ready	No	No	No
MTBF (hours)	100,000	100,000	100,000
Operating temperature range (°C)	0° to 50° C	0° to 50° C	0° to 50° C
Continuous output rated temperature (°C)	50°C	50°C	50°C
Warranty (Years)	5	5	5
AC Input specs			
Input Voltage (VAC)	100 - 240V	100 - 240V	90 - 264V
Input Frequency (Hz)	50 - 60 Hz	50 - 60 Hz	47 - 63 Hz
Input current (A)	6A -12A	6A - 12A	5A - 10A
PFC	Yes	Yes	Yes
Power factor at 100% load	0.99	0.99	0.99
Hold-up time (ms)	18.2	19.4	15.5
DC Output specs			
Ability to toggle single/multiple +12V rails	No	No	No
+12V (A)	70A	62A	54A
+12V (W)	840W	744W	648W
+3.3V (A)	30A	30A	30A
+5V (A)	30A	30A	30A
Max. combined power 3.3V + 5V (W)	150W	150W	150W
+5Vsb (A)	3A	3A	3A
-12V (A)	0.8A	0.8A	0.8A
Cooling Solution			
Fanless mode	Yes	Yes	Yes
Load for fan to turn on (%)	30%	30%	30%
Fan bearing technology	DBB	DBB	DBB
Fan size (mm)	140mm	140mm	140mm
Fanless mode	Yes	Yes	Yes
Max. fan speed (rpm)	2,082	1,305	1,316
dB(A) at 20% load	0.0	0.0	0.0
dB(A) at 50% load	25.9	21.9	15.8
dB(A) at 100% load	39.2	30.4	33.1
Efficiency			
80 PLUS certification level	Bronze	Bronze	Bronze
Efficiency (%) at 115V, 10% load**	80.40%	78.76%	78.14%
Efficiency (%) at 115V, 20% load**	85.53%	84.82%	82.75%
Efficiency (%) at 115V, 50% load**	97.91%	87.78%	85.66%
Efficiency (%) at 115V,100% load**	83.88%	85.11%	82.69%
Efficiency (%) at 230V, 10% load***			78.67%
Efficiency (%) at 230V, 20% load***			85.85%
Efficiency (%) at 230V, 50% load***			87.71%
Efficiency (%) at 230V,100% load***			85.42%
Power consumption in standby (W)	0.40	0.40	0.41
ErP Lot 6	2013	2013	2013
WEEE	Yes	Yes	Yes
RoHS	Yes	Yes	Yes

	TX Family		
	TX850	TX750	TX650
Protections & safety certifications			
OCP (over current protection)	Yes	Yes	Yes
OVP (over voltage protection)	Yes	Yes	Yes
UVP (under voltage protection)	Yes	Yes	Yes
SCP (short circuit protection)	Yes	Yes	Yes
OTP (over temperature protection)	Yes	Yes	Yes
OPP (over power protection)	Yes	Yes	Yes
CE	Yes	Yes	Yes
CB	Yes	Yes	Yes
TÜV	Yes	Yes	Yes
FCC	Yes	Yes	Yes
cUL	Yes	Yes	Yes
cTÜVs	No	No	No
CCC (China)	Yes	Yes	Yes
BSMI (Taiwan)	Yes	Yes	Yes
GOST-R (Russia)	Yes	Yes	Yes
KC Mark (Korea)	Yes	Yes	Yes
IRAM (Argentina)	Yes	Yes	Yes
RCM (C-Tick, A-Tick, RCM) (Aus/NZ)	Yes	Yes	Yes
DC Output cables			
Modular cable management	None (fixed cables)	None (fixed cables)	None (fixed cables)
Sleeved cables	Yes	Yes	Yes
Flat cables	No	No	No
No. of cables	12.	12.	10.
Motherboard cable (20+4 pin)	1	1	1
Motherboard cable length (mm, +/- 10mm)	600mm	600mm	600mm
4+4-pin (CPU, works as either 4 or 8-pin)	2	2	1
CPU power cable length (mm, +/- 10mm)	650mm	650mm	650mm
PCIe 6+2 pin (GPU)	4	4	2
PCIe power cable length (mm, +/- 10mm)	600mm	600mm	600mm
4-pin Peripheral power connector ("Molex", HDD)	8	8	8
SATA 5-pin	8	8	8
Floppy power	2	2	2
Multi-GPU ready	Yes	Yes	Yes
Misc			
Dimensions without cable (L x W x D), (mm)	160mm x 150mm x 86mm	160mm x 150mm x 86mm	160mm x 150mm x 86mm
Color	Black	Black	Black
Material	Steel	Steel	Steel
Logistical data			
Dimensions, package (L x W x D), (mm)	293 x 135 x 213	293 x 135 x 213	293 x 135 x 213
Gross weight, package (kg)	2.7	2.6	2.5
Pieces per packaging unit	6	6	6
Dimensions, shipping box (L x W x D), (mm)	425 x 310 x 445	425 x 310 x 445	425 x 310 x 445
Gross weight, shipping box (kg)	16.9	16.3	15.7

	GS Family		
	GS800	GS700	GS600
Top-Level Specs			
Continuous power (W)	800W	700W	600W
Peak power (W)*	880W	770W	660W
ATX12V Version	2.31	2.31	2.31
EPS12V Version	2.92	2.92	2.92
Modular cable management	None (fixed cables)	None (fixed cables)	None (fixed cables)
Special technology	N/A	N/A	N/A
C-Link Digital	No	No	No
C-Link Ready	No	No	No
MTBF (hours)	100,000	100,000	100,000
Operating temperature range (°C)	0° to 50° C	0° to 50° C	0° to 50° C
Continuous output rated temperature (°C)	40°C	40°C	40°C
Warranty (Years)	3	3	3
AC Input specs			
Input Voltage (VAC)	100 - 240V	100 - 240V	100 - 240V
Input Frequency (Hz)	47 - 63 Hz	47 - 63 Hz	47 - 63 Hz
Input current (A)	12A	10A	8A
PFC	Yes	Yes	Yes
Power factor at 100% load	0.99	0.99	0.99
Hold-up time (ms)	13.4	13.0	13.0
DC Output specs			
Ability to toggle single/multiple +12V rails	No	No	No
+12V (A)	66A	58A	49A
+12V (W)	792W	696W	588W
+3.3V (A)	25A	25A	25A
+5V (A)	25A	25A	25A
Max. combined power 3.3V + 5V (W)	150W	150W	150W
+5Vsb (A)	3A	3A	3A
-12V (A)	0.8A	0.8A	0.8A
Cooling Solution			
Fanless mode	Yes	Yes	Yes
Load for fan to turn on (%)	20%	20%	20%
Fan bearing technology	DBB	DBB	DBB
Fan size (mm)	140mm	140mm	140mm
Fanless mode	Yes	Yes	Yes
Max. fan speed (rpm)	2,221	1,890	1,742
dB(A) at 20% load	0.0	0.0	0.0
dB(A) at 50% load	25.4	23.5	17.5
dB(A) at 100% load	47.4	45.8	42.3
Efficiency			
80 PLUS certification level	Bronze	Bronze	Bronze
Efficiency (%) at 115V, 10% load**	82.66%	78.58%	77.30%
Efficiency (%) at 115V, 20% load**	85.53%	83.62%	82.72%
Efficiency (%) at 115V, 50% load**	87.30%	86.52%	85.86%
Efficiency (%) at 115V,100% load**	82.45%	83.23%	82.89%
Efficiency (%) at 230V, 10% load***	82.00%	78.86%	77.68%
Efficiency (%) at 230V, 20% load***	85.82%	84.70%	83.72%
Efficiency (%) at 230V, 50% load***	88.05%	87.56%	86.83%
Efficiency (%) at 230V,100% load***	85.65%	85.94%	85.16%
Power consumption in standby (W)	0.41	0.41	0.41
ErP Lot 6	2013	2013	2013
WEEE	Yes	Yes	Yes
RoHS	Yes	Yes	Yes

	GS Family		
	GS800	GS700	GS600
Protections & safety certifications			
OCP (over current protection)	Yes	Yes	Yes
OVP (over voltage protection)	Yes	Yes	Yes
UVP (under voltage protection)	Yes	Yes	Yes
SCP (short circuit protection)	Yes	Yes	Yes
OTP (over temperature protection)	Yes	Yes	Yes
OPP (over power protection)	Yes	Yes	Yes
CE	Yes	Yes	Yes
CB	Yes	Yes	Yes
TÜV	Yes	Yes	Yes
FCC	Yes	Yes	Yes
cUL	Yes	Yes	Yes
cTÜVs	No	No	No
CCC (China)	Yes	Yes	Yes
BSMI (Taiwan)	Yes	Yes	Yes
GOST-R (Russia)	Yes	Yes	Yes
KC Mark (Korea)	Yes	Yes	Yes
IRAM (Argentina)	Yes	Yes	Yes
RCM (C-Tick, A-Tick, RCM) (Aus/NZ)	Yes	Yes	Yes
DC Output cables			
Modular cable management	None (fixed cables)	None (fixed cables)	None (fixed cables)
Sleeved cables	Yes	Yes	Yes
Flat cables	No	No	No
No. of cables	10.	8	8
Motherboard cable (20+4 pin)	1	1	1
Motherboard cable length (mm, +/- 10mm)	600mm	600mm	600mm
4+4-pin (CPU, works as either 4 or 8-pin)	1	1	1
CPU power cable length (mm, +/- 10mm)	650mm	650mm	650mm
PCIe 6+2 pin (GPU)	4	2	2
PCIe power cable length (mm, +/- 10mm)	600m	600mm	600mm
4-pin Peripheral power connector ("Molex", HDD)	8	6	6
SATA 5-pin	8	8	8
Floppy power	1	1	1
Multi-GPU ready	Yes	Yes	Yes
Misc			
Dimensions without cable (L x W x D), (mm)	160mm x 150mm x 86mm	160mm x 150mm x 86mm	160mm x 150mm x 86mm
Color	Black	Black	Black
Material	Steel	Steel	Steel
Logistical data			
Dimensions, package (L x W x D), (mm)	293 x 135 x 213	293 x 135 x 213	293 x 135 x 213
Gross weight, package (kg)	2.4	2.4	2.4
Pieces per packaging unit	6	6	6
Dimensions, shipping box (L x W x D), (mm)	425 x 310 x 445	425 x 310 x 445	425 x 310 x 445
Gross weight, shipping box (kg)	15.1	15.1	15.1

	CX-M Family			
	CX750M	CX600M	CX500M	CX430M
Top-Level Specs				
Continuous power (W)	750W	600W	500W	430W
Peak power (W)*	825W	660W	550W	473W
ATX12V Version	2.31	2.31	2.31	2.31
EPS12V Version	2.92	2.92	2.92	2.92
Modular cable management	Semi modular	Semi modular	Semi modular	Semi modular
Special technology	N/A	N/A	N/A	N/A
C-Link Digital	No	No	No	No
C-Link Ready	No	No	No	No
MTBF (hours)	100,000	100,000	100,000	100,000
Operating temperature range (°C)	0° to 50° C	0° to 50° C	0° to 50° C	0° to 50° C
Continuous output rated temperature (°C)	30°C	30°C	30°C	30°C
Warranty (Years)	3	3	3	3
AC Input specs				
Input Voltage (VAC)	100 - 240V	100 - 240V	100 - 240V	100 - 240V
Input Frequency (Hz)	47 - 63Hz	47 - 63Hz	47 - 63Hz	47 - 63Hz
Input current (A)	6A - 12A	5 - 10A	5 - 10A	3.15 - 6.3A
PFC	Yes	Yes	Yes	Yes
Power factor at 100% load	0.99	0.99	0.99	0.99
Hold-up time (ms)	8.3	8.3	8.6	8.5
DC Output specs				
Ability to toggle single/multiple +12V rails	No	No	No	No
+12V (A)	62A	46A	38A	32A
+12V (W)	744W	552W	456W	384W
+3.3V (A)	25A	25A	25A	20A
+5V (A)	25A	25A	20A	20A
Max. combined power 3.3V + 5V (W)	130W	130W	120W	110W
+5Vsb (A)	3A	3A	3A	3A
-12V (A)	0.8A	0.8A	0.8A	0.8A
Cooling Solution				
Fanless mode	No	No	No	No
Load for fan to turn on (%)	N/A	N/A	N/A	N/A
Fan bearing technology	Sleeve	Sleeve	Sleeve	Sleeve
Fan size (mm)	120mm	120mm	120mm	120mm
Fanless mode	No	No	No	No
Max. fan speed (rpm)	1,996	1,565	1,557	1,540
dB(A) at 20% load	19.4	12.6	13.5	14.6
dB(A) at 50% load	19.4	14.1	15.1	14.8
dB(A) at 100% load	42.2	32.2	32.4	31.0
Efficiency				
80 PLUS certification level	Bronze	Bronze	Bronze	Bronze
Efficiency (%) at 115V, 10% load**	77.71%	79.40%	77.44%	78.35%
Efficiency (%) at 115V, 20% load**	83.25%	83.56%	83.12%	82.78%
Efficiency (%) at 115V, 50% load**	86.59%	85.44%	85.48%	85.54%
Efficiency (%) at 115V,100% load**	84.21%	82.56%	82.66%	82.83%
Efficiency (%) at 230V, 10% load***	79.12%	79.74%	77.95%	78.57%
Efficiency (%) at 230V, 20% load***	85.08%	84.69%	83.62%	83.71%
Efficiency (%) at 230V, 50% load***	88.49%	86.84%	86.45%	86.96%
Efficiency (%) at 230V,100% load***	86.94%	84.93%	84.98%	85.34%
Power consumption in standby (W)	0.42	0.40	0.40	0.40
ErP Lot 6	2013	2013	2013	2013
WEEE	Yes	Yes	Yes	Yes
RoHS	Yes	Yes	Yes	Yes

	CX-M Family			
	CX750M	CX600M	CX500M	CX430M
Protections & safety certifications				
OCP (over current protection)	Yes	Yes	Yes	Yes
OVP (over voltage protection)	Yes	Yes	Yes	Yes
UVP (under voltage protection)	Yes	Yes	Yes	Yes
SCP (short circuit protection)	Yes	Yes	Yes	Yes
OTP (over temperature protection)	Yes	Yes	Yes	Yes
OPP (over power protection)	Yes	Yes	Yes	Yes
CE	Yes	Yes	Yes	Yes
CB	Yes	Yes	Yes	Yes
TÜV	Yes	Yes	Yes	Yes
FCC	Yes	Yes	Yes	Yes
cUL	Yes	No	No	No
cTÜVs	No	Yes	Yes	Yes
CCC (China)	Yes	Yes	Yes	Yes
BSMI (Taiwan)	Yes	Yes	Yes	Yes
GOST-R (Russia)	Yes	Yes	Yes	Yes
KC Mark (Korea)	Yes	Yes	Yes	Yes
IRAM (Argentina)	Yes	No	No	No
RCM (C-Tick, A-Tick, RCM) (Aus/NZ)	Yes	Yes	Yes	Yes
DC Output cables				
Modular cable management	Semi modular	Semi modular	Semi modular	Semi modular
Sleeved cables	Yes	Yes	Yes	Yes
Flat cables	Yes	Yes	Yes	Yes
No. of cables	10	7	7	6
Motherboard cable (20+4 pin)	1	1	1	1
Motherboard cable length (mm, +/- 10mm)	600mm	600mm	600mm	600mm
4+4-pin (CPU, works as either 4 or 8-pin)	1	1	1	1
CPU power cable length (mm, +/- 10mm)	650mm	650mm	650mm	650mm
PCIe 6+2 pin (GPU)	4	2	2	1
PCIe power cable length (mm, +/- 10mm)	600mm	600mm	600mm	600mm
4-pin Peripheral power connector ("Molex", HDD)	6	4	4	3
SATA 5-pin	8	6	5	4
Floppy power	1	1	1	1
Multi-GPU ready	Yes	Yes	Yes	No
Misc				
Dimensions without cable (L x W x D), (mm)	160mm x 150mm x 86mm	140mm x 150mm x 86mm	140mm x 150mm x 86mm	140mm x 150mm x 86mm
Color	Black	Black	Black	Black
Material	Steel	Steel	Steel	Steel
Logistical data				
Dimensions, package (L x W x D), (mm)	293 x 135 x 213	268 x 98 x 190	268 x 98 x 190	268 x 98 x 190
Gross weight, package (kg)	2.2	2.2	2.2	2.2
Pieces per packaging unit	6	6	6	6
Dimensions, shipping box (L x W x D), (mm)	425 x 310 x 445	410 x 322 x 295	410 x 322 x 295	410 x 322 x 295
Gross weight, shipping box (kg)	13.9	13.9	13.9	13.9

	CX Family			
	CX750	CX600	CX500	CX430
Top-Level Specs				
Continuous power (W)	750W	600W	500W	430W
Peak power (W)*	825W	660W	550W	473W
ATX12V Version	2.31	2.31	2.31	2.31
EPS12V Version	2.92	2.92	2.92	2.92
Modular cable management	None (fixed cables)	None (fixed cables)	None (fixed cables)	None (fixed cables)
Special technology	N/A	N/A	N/A	N/A
C-Link Digital	No	No	No	No
C-Link Ready	No	No	No	No
MTBF (hours)	100,000	100,000	100,000	100,000
Operating temperature range (°C)	0° to 50° C	0° to 50° C	0° to 50° C	0° to 50° C
Continuous output rated temperature (°C)	30°C	30°C	30°C	30°C
Warranty (Years)	3	3	3	3
AC Input specs				
Input Voltage (VAC)	100 - 240V	100 - 240V	100 - 240V	100 - 240V
Input Frequency (Hz)	47 - 63Hz	47 - 63Hz	47 - 63Hz	47 - 63Hz
Input current (A)	6A - 12A	5A - 10A	5A - 10A	3.15A - 6.3A
PFC	Yes	Yes	Yes	Yes
Power factor at 100% load	0.99	0.99	0.99	0.99
Hold-up time (ms)	8.5	8.4	8.4	8.5
DC Output specs				
Ability to toggle single/multiple +12V rails	No	No	No	No
+12V (A)	62A	46A	38A	32A
+12V (W)	744W	552W	456W	384W
+3.3V (A)	25A	25A	25A	20A
+5V (A)	25A	25A	20A	20A
Max. combined power 3.3V + 5V (W)	130W	130W	120W	110W
+5Vsb (A)	3A	3A	3A	3A
-12V (A)	0.8A	0.8A	0.8A	0.8A
Cooling Solution				
Fanless mode	No	No	No	No
Load for fan to turn on (%)	N/A	N/A	N/A	N/A
Fan bearing technology	Sleeve	Sleeve	Sleeve	Sleeve
Fan size (mm)	120mm	120mm	120mm	120mm
Fanless mode	No	No	No	No
Max. fan speed (rpm)	1,980	1,665	1,632	1,560
dB(A) at 20% load	20.4	11.9	12.1	10.7
dB(A) at 50% load	20.7	17.0	14.0	11.3
dB(A) at 100% load	39.9	34.0	33.4	30.5
Efficiency				
80 PLUS certification level	Bronze	Bronze	Bronze	Bronze
Efficiency (%) at 115V, 10% load**	77.71%	79.40%	77.44%	78.35%
Efficiency (%) at 115V, 20% load**	83.25%	83.56%	83.12%	82.78%
Efficiency (%) at 115V, 50% load**	86.59%	85.44%	85.48%	85.54%
Efficiency (%) at 115V,100% load**	84.21%	82.56%	82.66%	82.83%
Efficiency (%) at 230V, 10% load***	79.12%	79.74%	77.95%	78.57%
Efficiency (%) at 230V, 20% load***	85.08%	84.69%	83.62%	83.71%
Efficiency (%) at 230V, 50% load***	88.49%	86.84%	86.45%	86.96%
Efficiency (%) at 230V,100% load***	86.94%	84.93%	84.98%	85.34%
Power consumption in standby (W)	0.42	0.40	0.40	0.40
ErP Lot 6	2013	2013	2013	2013
WEEE	Yes	Yes	Yes	Yes
RoHS	Yes	Yes	Yes	Yes

	CX Family			
	CX750	CX600	CX500	CX430
Protections & safety certifications				
OCP (over current protection)	Yes	Yes	Yes	Yes
OVP (over voltage protection)	Yes	Yes	Yes	Yes
UVP (under voltage protection)	Yes	Yes	Yes	Yes
SCP (short circuit protection)	Yes	Yes	Yes	Yes
OTP (over temperature protection)	Yes	Yes	Yes	Yes
OPP (over power protection)	Yes	Yes	Yes	Yes
CE	Yes	Yes	Yes	Yes
CB	Yes	Yes	Yes	Yes
TÜV	Yes	Yes	Yes	Yes
FCC	Yes	Yes	Yes	Yes
cUL	Yes	No	No	No
cTÜVs	No	Yes	Yes	Yes
CCC (China)	Yes	Yes	Yes	Yes
BSMI (Taiwan)	Yes	Yes	Yes	Yes
GOST-R (Russia)	Yes	Yes	Yes	Yes
KC Mark (Korea)	Yes	Yes	Yes	Yes
IRAM (Argentina)	Yes	No	No	No
RCM (C-Tick, A-Tick, RCM) (Aus/NZ)	Yes	Yes	Yes	Yes
DC Output cables				
Modular cable management	None (fixed cables)	None (fixed cables)	None (fixed cables)	None (fixed cables)
Sleeved cables	Yes	Yes	Yes	Yes
Flat cables	Yes	No	No	No
No. of cables	No	7	7	6
Motherboard cable (20+4 pin)	1	1	1	1
Motherboard cable length (mm, +/- 10mm)	600mm	600mm	600mm	600mm
4+4-pin (CPU, works as either 4 or 8-pin)	1	1	1	1
CPU power cable length (mm, +/- 10mm)	650mm	650mm	650mm	650mm
PCIe 6+2 pin (GPU)	2	2	2	1
PCIe power cable length (mm, +/- 10mm)	600mm	600mm	600mm	600mm
4-pin Peripheral power connector ("Molex", HDD)	6	4	4	4
SATA 5-pin	8	6	6	6
Floppy power	1	1	1	1
Multi-GPU ready	Yes	Yes	Yes	No
Misc				
Dimensions without cable (L x W x D), (mm)	160mm x 150mm x 86mm	140mm x 150mm x 86mm	140mm x 150mm x 86mm	140mm x 150mm x 86mm
Color	Black	Black	Black	Black
Material	Steel	Steel	Steel	Steel
Logistical data				
Dimensions, package (L x W x D), (mm)	293 x 135 x 213	268 x 98 x 190	268 x 98 x 190	268 x 98 x 190
Gross weight, package (kg)	2.3	2.16	2.16	2.16
Pieces per packaging unit	6	6	6	6
Dimensions, shipping box (L x W x D), (mm)	425 x 310 x 445	410 x 322 x 295	410 x 322 x 295	410 x 322 x 295
Gross weight, shipping box (kg)	14.5	13.66	13.66	13.66

	VS Family			
	VS650	VS550	VS450	VS350
Top-Level Specs				
Continuous power (W)	650W	550W	450W	350W
Peak power (W)*	715W	605W	495W	385W
ATX12V Version	2.31	2.31	2.31	2.31
EPS12V Version	2.92	2.92	2.92	2.92
Modular cable management	None (fixed cables)	None (fixed cables)	None (fixed cables)	None (fixed cables)
Special technology	N/A	N/A	N/A	N/A
C-Link Digital	No	No	No	No
C-Link Ready	No	No	No	No
MTBF (hours)	100,000	100,000	100,000	100,000
Operating temperature range (°C)	0° to 50° C	0° to 50° C	0° to 50° C	0° to 50° C
Continuous output rated temperature (°C)	40°C	40°C	40°C	40°C
Warranty (Years)	3	3	3	3
AC Input specs				
Input Voltage (VAC)	200 - 240V	200 - 240V	200 - 240V	200 - 240V
Input Frequency (Hz)	47 - 63Hz	47 - 63Hz	47 - 63Hz	47 - 63Hz
Input current (A)	5A	5A	5A	5A
PFC	Yes	Yes	Yes	Yes
Power factor at 100% load	0.99	0.99	0.99	0.99
Hold-up time (ms)	10.5	10.5	9.5	10.0
DC Output specs				
Ability to toggle single/multiple +12V rails	No	No	No	No
+12V (A)	50A	42A	34A	25A
+12V (W)	600W	504W	408W	300W
+3.3V (A)	20A	18A	16A	14A
+5V (A)	20A	18A	16A	14A
Max. combined power 3.3V + 5V (W)	120W	110W	100W	90W
+5Vsb (A)	2.5A	2.5A	2.5A	2.5A
-12V (A)	0.3A	0.3A	0.3A	0.3A
Cooling Solution				
Fanless mode	No	No	No	No
Load for fan to turn on (%)	N/A	N/A	N/A	N/A
Fan bearing technology	Sleeve	Sleeve	Sleeve	Sleeve
Fan size (mm)	120mm	120mm	120mm	120mm
Fanless mode	No	No	No	No
Max. fan speed (rpm)	1,665	1,771	1,985	1,540
dB(A) at 20% load	15.0	21.3	20.1	18.5
dB(A) at 50% load	17.4	21.7	20.4	18.4
dB(A) at 100% load	37.6	37.2	36.1	30.9
Efficiency				
80 PLUS certification level	N/A	N/A	N/A	N/A
Efficiency (%) at 115V, 10% load**	N/A	N/A	N/A	N/A
Efficiency (%) at 115V, 20% load**	N/A	N/A	N/A	N/A
Efficiency (%) at 115V, 50% load**	N/A	N/A	N/A	N/A
Efficiency (%) at 115V,100% load**	N/A	N/A	N/A	N/A
Efficiency (%) at 230V, 10% load***	81.48%	79.46%	76.84%	78.68%
Efficiency (%) at 230V, 20% load***	85.14%	84.60%	83.31%	84.06%
Efficiency (%) at 230V, 50% load***	86.09%	85.82%	85.45%	85.42%
Efficiency (%) at 230V,100% load***	82.94%	82.66%	82.83%	82.70%
Power consumption in standby (W)	0.42	0.42	0.41	0.42
ErP Lot 6	2013	2013	2013	2013
WEEE	Yes	Yes	Yes	Yes
RoHS	Yes	Yes	Yes	Yes

	VS Family			
	VS650	VS550	VS450	VS350
Protections & safety certifications				
OCP (over current protection)	Yes	Yes	Yes	Yes
OVP (over voltage protection)	Yes	Yes	Yes	Yes
UVP (under voltage protection)	Yes	Yes	Yes	Yes
SCP (short circuit protection)	Yes	Yes	Yes	Yes
OTP (over temperature protection)	Yes	Yes	Yes	Yes
OPP (over power protection)	Yes	Yes	Yes	Yes
CE	Yes	Yes	Yes	Yes
CB	Yes	Yes	Yes	Yes
TÜV	Yes	Yes	Yes	Yes
FCC	No	No	No	No
cUL	No	No	No	No
cTÜVs	No	No	No	No
CCC (China)	Yes	Yes	Yes	Yes
BSMI (Taiwan)	No	No	No	No
GOST-R (Russia)	Yes	Yes	Yes	Yes
KC Mark (Korea)	Yes	Yes	Yes	Yes
IRAM (Argentina)	Yes	Yes	Yes	Yes
RCM (C-Tick, A-Tick, RCM) (Aus/NZ)	No	No	No	No
DC Output cables				
Modular cable management	None (fixed cables)	None (fixed cables)	None (fixed cables)	None (fixed cables)
Sleeved cables	Yes	Yes	Yes	Yes
Flat cables	No	No	No	No
No. of cables	6	6	6	6
Motherboard cable (20+4 pin)	1	1	1	1
Motherboard cable length (mm, +/- 10mm)	550mm	550mm	550mm	550mm
4+4-pin (CPU, works as either 4 or 8-pin)	1	1	1	1
CPU power cable length (mm, +/- 10mm)	550mm	550mm	550mm	550mm
PCIe 6+2 pin (GPU)	2	2	2	1
PCIe power cable length (mm, +/- 10mm)	450mm	450mm	450mm	450mm
4-pin Peripheral power connector ("Molex", HDD)	4	4	4	3
SATA 5-pin	3	3	3	2
Floppy power	1	1	1	1
Multi-GPU ready	Yes	Yes	Yes	No
Misc				
Dimensions without cable (L x W x D), (mm)	140mm x 150mm x 86mm	140mm x 150mm x 86mm	140mm x 150mm x 86mm	140mm x 150mm x 86mm
Color	Black	Black	Black	Black
Material	Steel	Steel	Steel	Steel
Logistical data				
Dimensions, package (L x W x D), (mm)	268 x 98 x 190	268 x 98 x 190	268 x 98 x 190	268 x 98 x 190
Gross weight, package (kg)	2.15	2.15	2.15	2.15
Pieces per packaging unit	6	6	6	6
Dimensions, shipping box (L x W x D), (mm)	410 x 322 x 295	410 x 322 x 295	410 x 322 x 295	410 x 322 x 295
Gross weight, shipping box (kg)	13.6	13.6	13.6	13.6